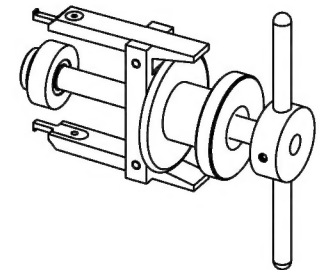
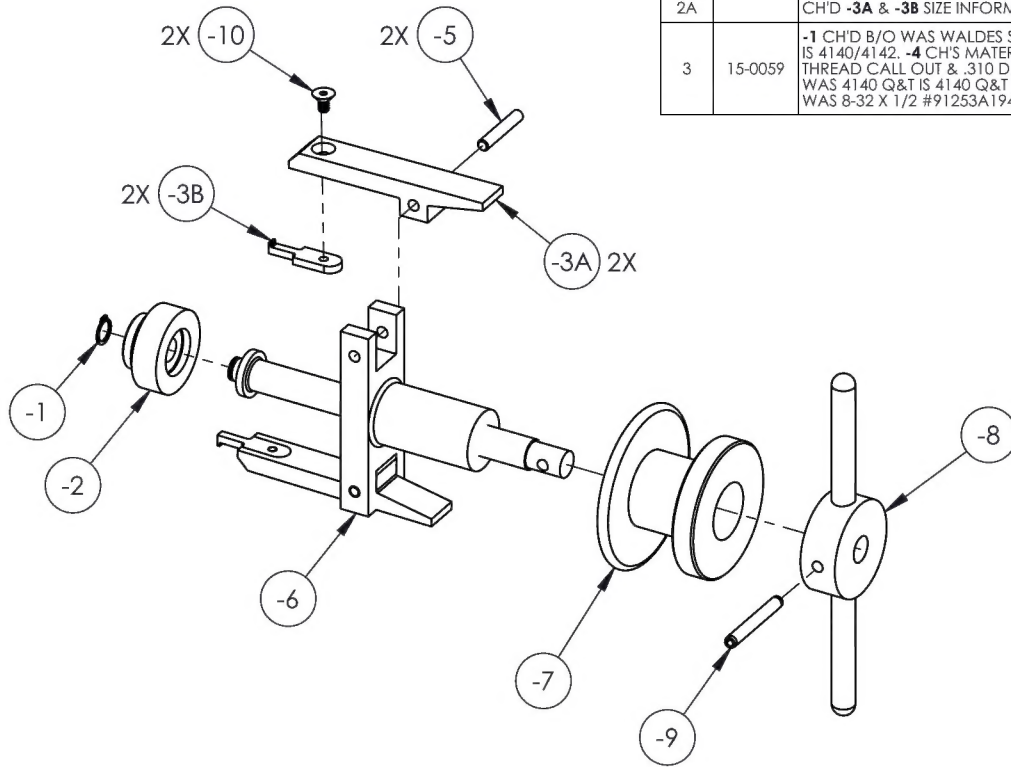



This drawing, specifications, and concepts contained here in are the sole property of Dart Aerospace, and may not be reproduced or used in any fashion without the prior written permission of Dart Aerospace Eugene, OR.

REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
1		CH'D TITLEBLOCK & REVISION BLOCK. CH'D DWG. NO. FROM 6889890. ADDED DWG'S FOR P/N'S 2, 4, 6, 7, 8 AND ASSY. ADDED HEAT TREAT & FINISH SPECIFICATION TO PARTS. -3A ADDED LIMITS TO .375 DIM. -10 ADDED FLATHEAD SOCKET SCREW.	7/31/09	RJC	RW
2		LABELED -3A, -3B, & -10 ON ASSY VIEW. CH'D BOM -4 SCREW LENGTH FROM 6, -10 SCREW B/O INFORMATION. -6 ADDED ENGRAVE NOTE. -8A ADDED S.F. TO Ø.375 DIM., ADDED MISSING DIM. Ø.438. -8B ADDED S.F TO Ø.375 DIM. -4 & -6 CH'D MATERIAL FROM 4140.	7/26/10	RJC	RW
2A		CH'D -3A & -3B SIZE INFORMATION IN BOM.	3/20/2015	RJC	RW
3	15-0059	-1 CH'D B/O WAS WALDES SNAP RING IS APPLIED INDUSTRIAL #SH37ST. -3A CH'S MATERIAL WAS 4140 IS 4140/4142. -4 CH'S MATERIAL WAS 4140 Q&T IS 4140 Q&T /4142 Q&T. ADDED MISSING 1/2-20 UNF THREAD CALL OUT & .310 DIM. -5 ADDED REF. MCMASTER-CARR P/N #98381A511. -6 CH'S MATERIAL WAS 4140 Q&T IS 4140 Q&T /4142 Q&T. -9 ADDED REF. MCMASTER-CARR #98296A914. -10 CH'D B/O WAS 8-32 X 1/2 #91253A194, IS 8-32 X 5/16 #91253A190.	3/20/2015	RJC	JAG

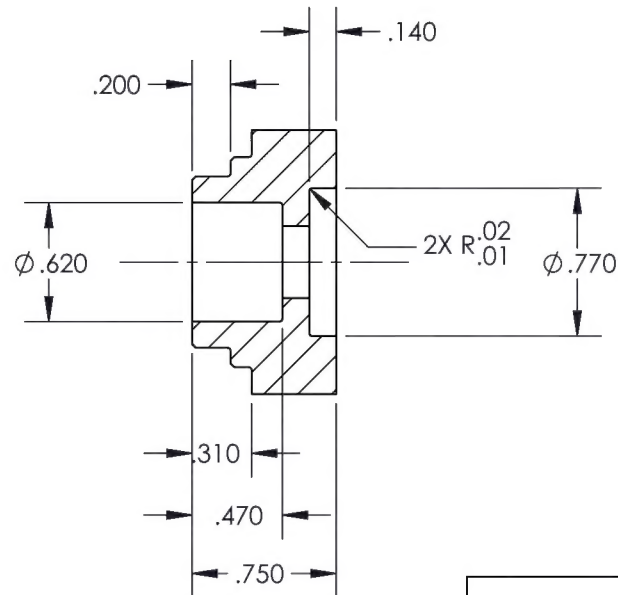
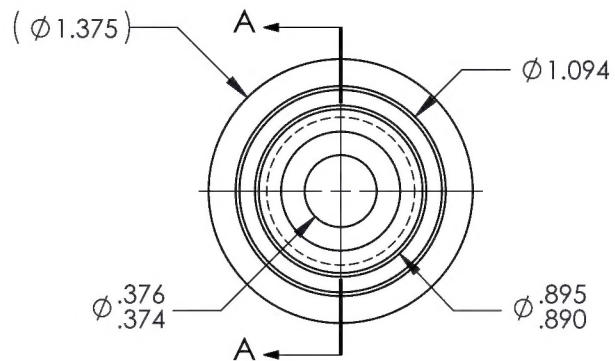
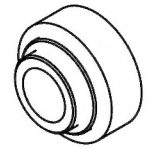
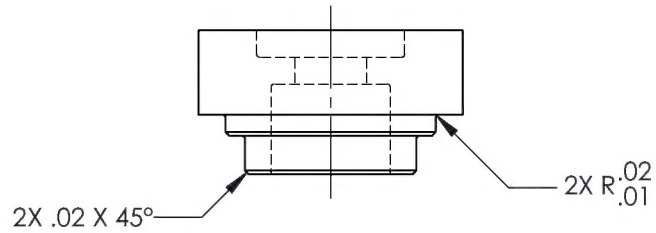


ASSY QTY	ASSY QTY	B/O	Part #	UNIT QTY	Description	Material	B/O INFORMATION OR SPECIFICATIONS	PG.
		B/O	-1	1	EXTERNAL RETAINING RING	STEEL	Ø3/8 X .025 (APPLIED INDUSTRIAL #SH-37ST)	1
			-2	1	PILOT	BRASS		2
			-3A	2	FINGER	4140 / 4142		3
			-3B	2	FINGER TIP	S7		4
			-4	1	JACK SCREW	4140 Q&T / 4142 Q&T		5
		B/O	-5	2	DOWEL PIN	STEEL	Ø3/16 X 1-1/8 (MCMASTER-CARR #98381A511)	1
			-6	1	ADJUSTING SCREW	4140 Q&T / 4142 Q&T		6
			-7	1	ADJUSTING NUT	BRASS		7
	X		-8	1	TEE HANDLE WELDMENT			8
	1		-8A		HUB	1018 / 1020		9
	2		-8B		BAR	1018 / 1020		10
		B/O	-9	1	SLOTTED SPRING PIN	STEEL	Ø3/16 X 1-1/2 (MCMASTER-CARR #98296A914)	1
		B/O	-10	2	FLAT HEAD SOCKET CAP SCREW	STEEL	#8-32 X 5/16 (MCMASTER-CARR #91253A190)	1
	ASSY. -8							

			TITLE	
			NEW STYLE 2-PIECE FINGER	
DWG NO.			RB6889890	
REV			3	
MAT'L			DRAWN BY: CLOUGH	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES			APPROVED <i>D Weil</i>	
.XXX ± .005			HEAT TREAT	
.XX ± .01			FINISH	
.X ± .1			SPEC	
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R			USED ON MODEL	
2. DIMENSIONAL LIMITS APPLY AFTER PLATING			ALLISON 250 SERIES	
SCALE 1:3			DATE 3/13/2015	
			SHEET 1 OF 10	

This drawing, specifications, and concepts contained here in are the sole property of Dart Aerospace, and may not be reproduced or used in any fashion without the prior written permission of Dart Aerospace Eugene, OR.

REVISIONS				
REV	ECR	DESCRIPTION	DATE	INITIAL
				APPROVED



SECTION A-A

(-2)

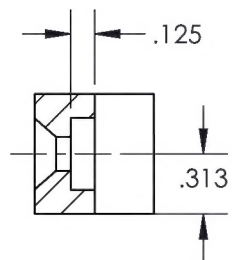
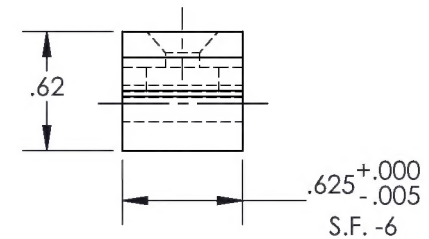
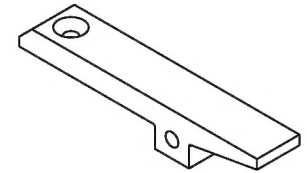
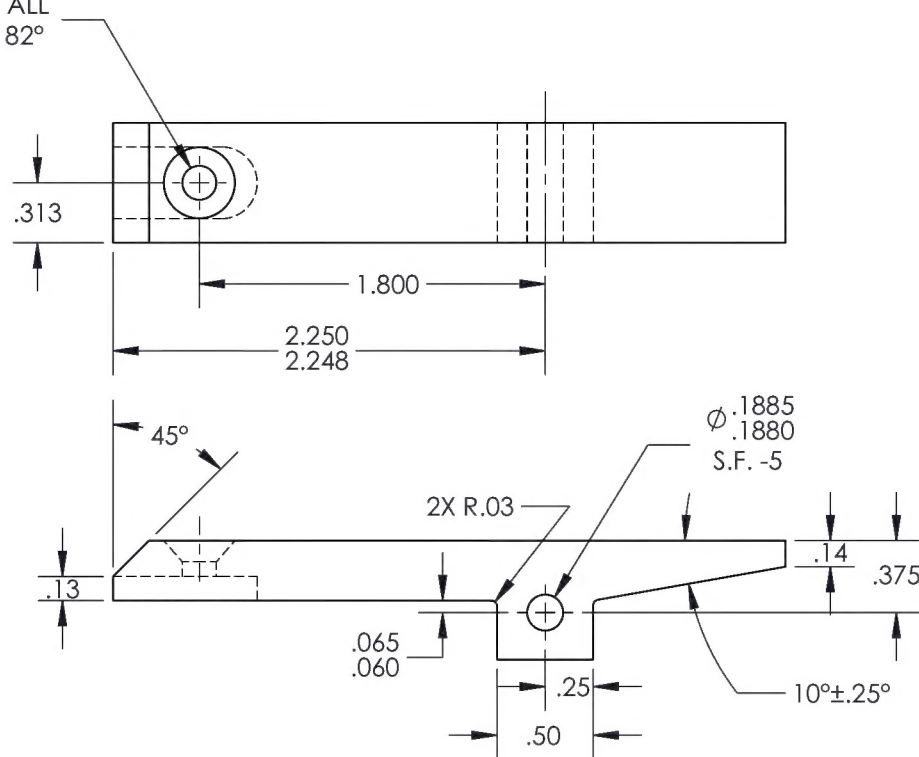
PILOT

<b>DART</b> AEROSPACE	
TITLE <b>NEW STYLE 2-PIECE FINGER</b>	
DWG NO. <b>RB6889890-2</b>	REV <b>3</b>
MAT'L BRASS	DRAWN BY: CLOUGH
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	APPROVED <i>D Weil</i>
.XXX $\pm$ .005	HEAT
.XX $\pm$ .01	TREAT
.X $\pm$ .1	FINISH
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R	SPEC
2. DIMENSIONAL LIMITS APPLY AFTER PLATING	USED ON MODEL
	ALLISON 250 SERIES
SCALE 1:1	DATE 3/13/2015
	SHEET 2 OF 10

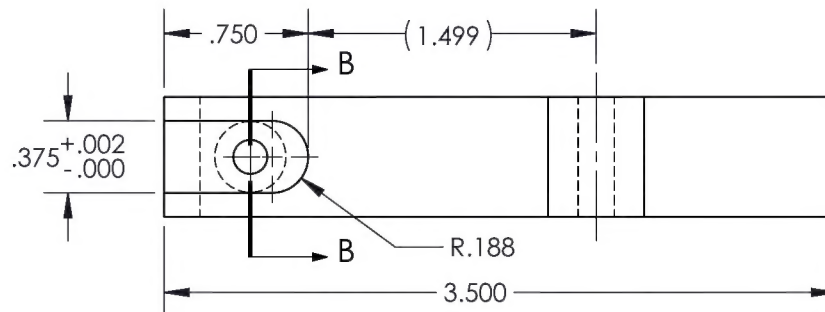
This drawing, specifications, and concepts contained here in are the sole property of Dart Aerospace, and may not be reproduced or used in any fashion without the prior written permission of Dart Aerospace Eugene, OR.

REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
1		-3A ADDED LIMITS TO .375 DIM.	7/31/09	RJC	RW
3	15-0059	-3A CH'S MATERIAL WAS 4140 IS 4140/4142.	3/20/2015	RJC	JAG

Ø .177 THRU ALL  
 ✓ Ø .37 X 82°



SECTION B-B

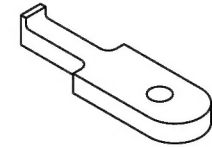
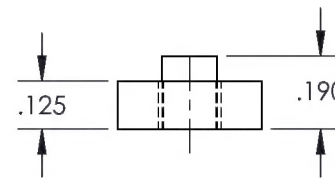
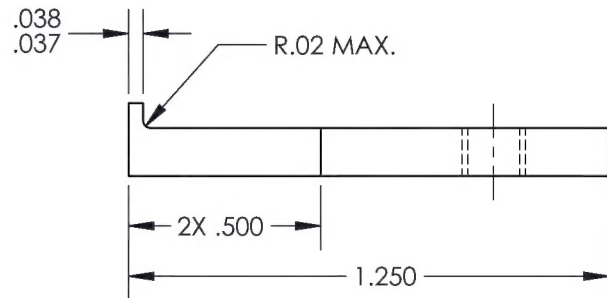
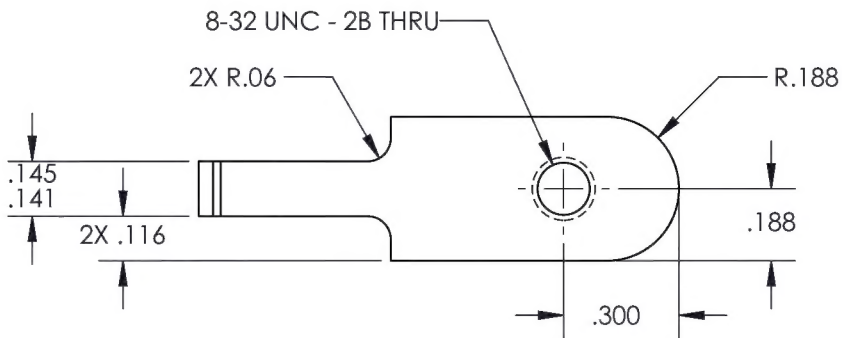


(-3A)  
 FINGER

<b>DART</b> AEROSPACE	
TITLE NEW STYLE 2-PIECE FINGER	
DWG NO. RB6889890-3A	REV 3
MAT'L 4140 / 4142	DRAWN BY: CLOUGH
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	APPROVED <i>P. Weil</i>
.XXX ± .005 FRACTIONS ± 1/8	HEAT TREAT RC 36-40
.XX ± .01 ANGLES ± .5°	FINISH BLACK OXIDE
.X ± .1	SPEC
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R	USED ON MODEL
2. DIMENSIONAL LIMITS APPLY AFTER PLATING	ALLISON 250 SERIES
SCALE 1:1	DATE 3/13/2015
SHEET 3 OF 10	

This drawing, specifications, and concepts contained here in are the sole property of Dart Aerospace, and may not be reproduced or used in any fashion without the prior written permission of Dart Aerospace Eugene, OR.

REVISIONS			
REV	ECR	DESCRIPTION	DATE



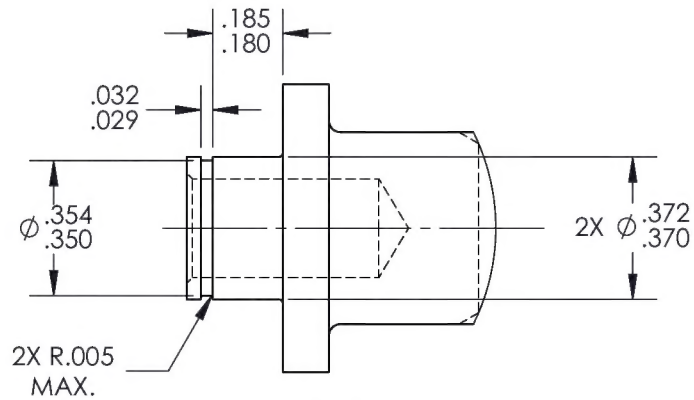
(-3B)

FINGER TIP

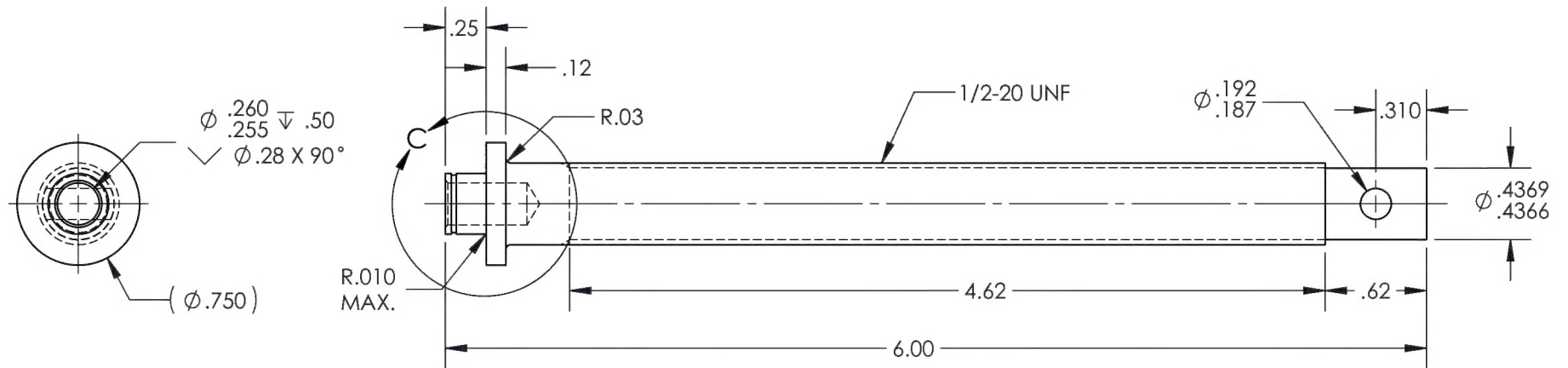
<b>DART</b> AEROSPACE	
TITLE NEW STYLE 2-PIECE FINGER	
DWG NO. RB6889890-3B	REV 3
MAT'L S7	DRAWN BY: CLOUGH
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	APPROVED <i>D Weil</i>
.XXX ± .005 FRACTIONS ± 1/8	HEAT TREAT RC 50-55
.XX ± .01 ANGLES ± 5°	FINISH BLACK OXIDE
.X ± .1	SPEC
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R	USED ON MODEL
2. DIMENSIONAL LIMITS APPLY AFTER PLATING	ALLISON 250 SERIES
SCALE 2:1	DATE 3/13/2015
SHEET 4 OF 10	

This drawing, specifications, and concepts contained here in are the sole property of Dart Aerospace, and may not be reproduced or used in any fashion without the prior written permission of Dart Aerospace Eugene, OR.

REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
3	15-0059	-4 CH'S MATERIAL WAS 4140 Q&T IS 4140 Q&T / 4142 Q&T. ADDED MISSING 1/2-20 UNF THREAD CALL OUT & .310 DIM.	3/20/2015	RJC	JAG



DETAIL C



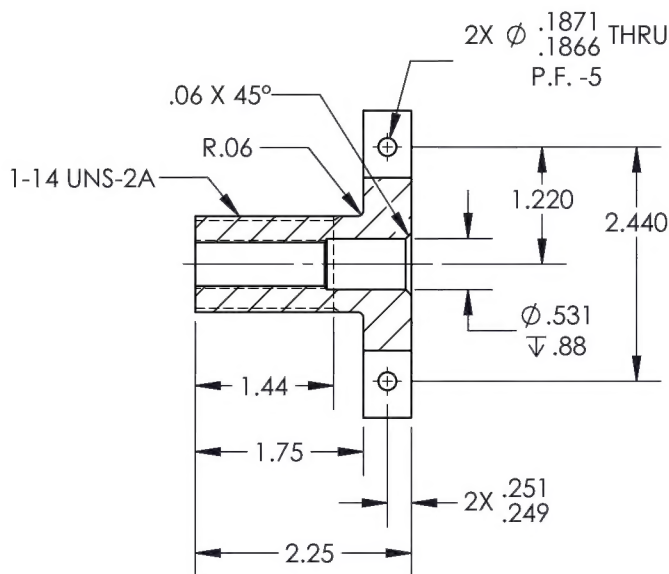
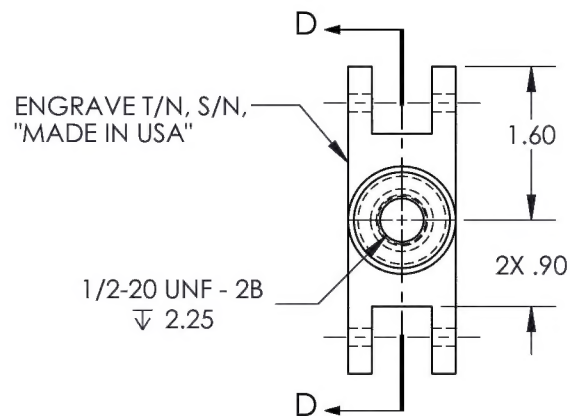
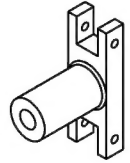
-4

JACK SCREW

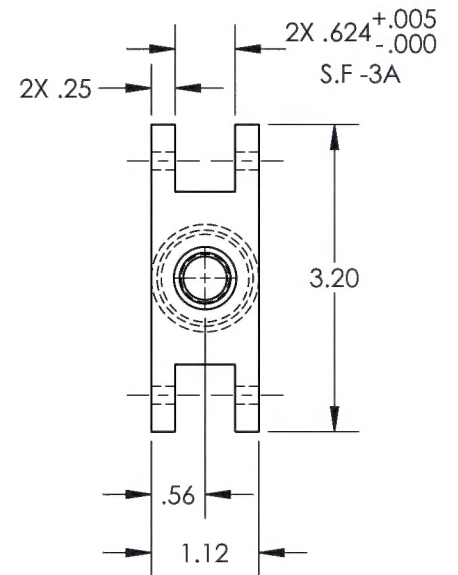
<b>DART</b> AEROSPACE	
TITLE NEW STYLE 2-PIECE FINGER	
DWG NO. RB6889890-4	REV 3
MAT'L 4140 Q&T / 4142 Q&T	DRAWN BY: CLOUGH
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	APPROVED <i>D Weil</i>
.XXX ± .005 FRACTIONS ± 1/8	HEAT TREAT
.XX ± .01 ANGLES ± 5°	FINISH BLACK OXIDE
.X ± .1	SPEC
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R	USED ON MODEL
2. DIMENSIONAL LIMITS APPLY AFTER PLATING	ALLISON 250 SERIES
SCALE 1:1	DATE 3/13/2015
SHEET 5 OF 10	

This drawing, specifications, and concepts contained here in are the sole property of Dart Aerospace, and may not be reproduced or used in any fashion without the prior written permission of Dart Aerospace Eugene, OR.

REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
3	15-0059	-6 CH'S MATERIAL WAS 4140 Q&T IS 4140 Q&T /4142 Q&T.	3/20/2015	RJC	JAG



SECTION D-D



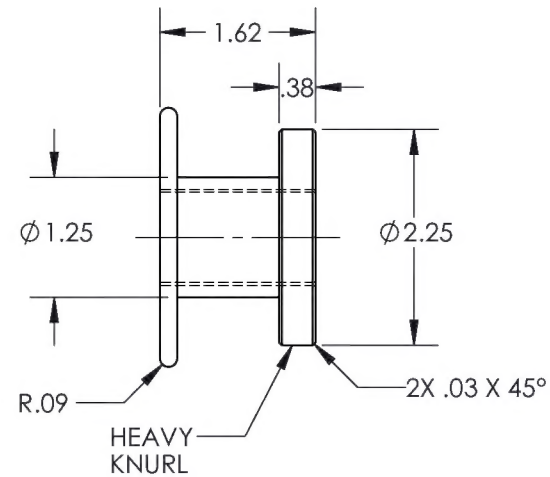
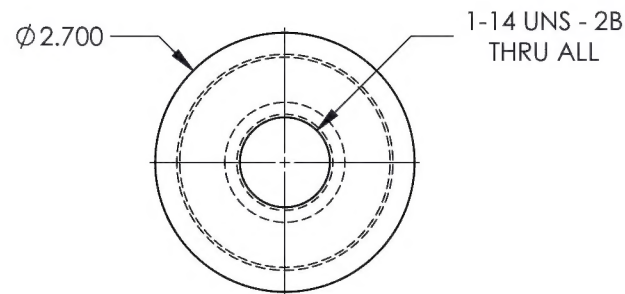
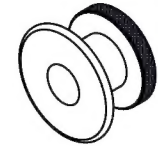
(-6)

ADJUSTING SCREW

<b>DART AEROSPACE</b>	
TITLE <b>NEW STYLE 2-PIECE FINGER</b>	
DWG NO. <b>RB6889890-6</b>	REV <b>3</b>
MAT'L 4140 Q&T / 4142 Q&T	DRAWN BY: <b>CLOUGH</b>
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	APPROVED <b>D Weil</b>
.XXX ± .005 FRACTIONS ± 1/8	HEAT TREAT
.XX ± .01 ANGLES ± 5°	FINISH BLACK OXIDE
.X ± .1	SPEC
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R	USED ON MODEL
2. DIMENSIONAL LIMITS APPLY AFTER PLATING	<b>ALLISON 250 SERIES</b>
SCALE 1:2	DATE 3/13/2015
SHEET 6 OF 10	

This drawing, specifications, and concepts contained here in are the sole property of Dart Aerospace, and may not be reproduced or used in any fashion without the prior written permission of Dart Aerospace Eugene, OR.

REVISIONS				
REV	ECR	DESCRIPTION	DATE	INITIAL
				APPROVED



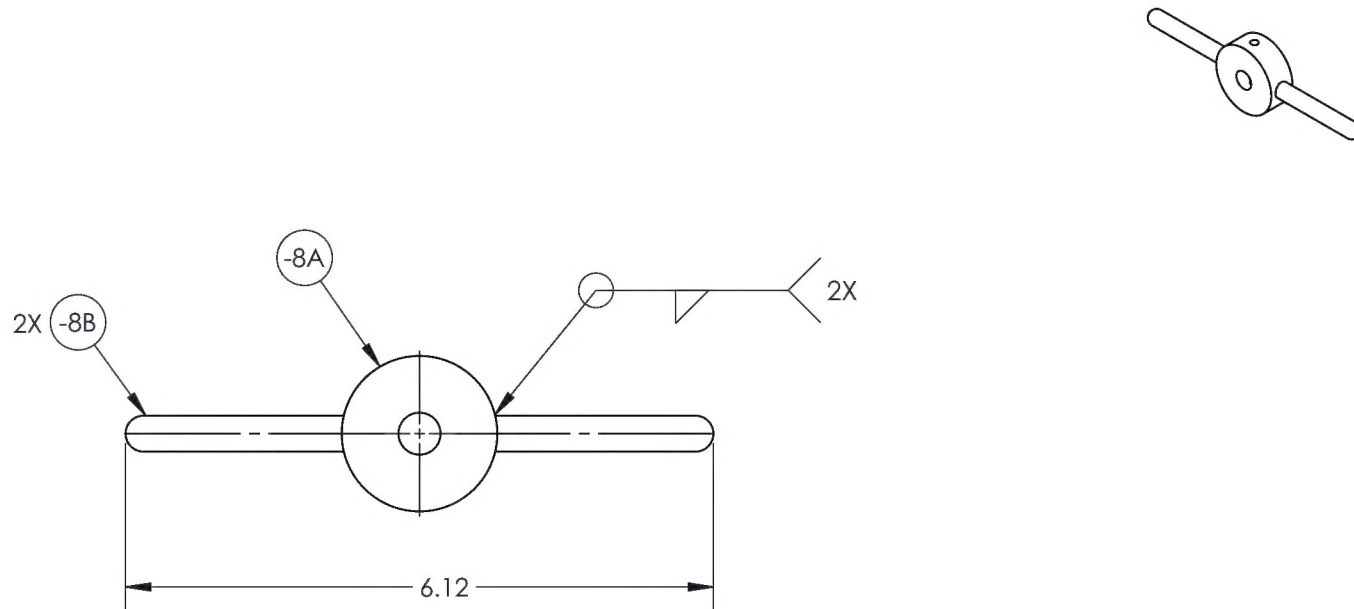
(-7)

ADJUSTING NUT

<b>DART</b> AEROSPACE	
TITLE NEW STYLE 2-PIECE FINGER	
DWG NO. RB6889890-7	REV 3
MAT'L BRASS	DRAWN BY: CLOUGH
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	APPROVED <i>D Weil</i>
.XXX ± .005 FRACTIONS ± 1/8	HEAT TREAT
.XX ± .01 ANGLES ± 5°	FINISH
.X ± .1	SPEC
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R	USED ON MODEL
2. DIMENSIONAL LIMITS APPLY AFTER PLATING	ALLISON 250 SERIES
SCALE 1:2	DATE 3/13/2015
SHEET 7 OF 10	

This drawing, specifications, and concepts contained here in are the sole property of Dart Aerospace, and may not be reproduced or used in any fashion without the prior written permission of Dart Aerospace Eugene, OR.

REVISIONS				
REV	ECR	DESCRIPTION	DATE	INITIAL
				APPROVED

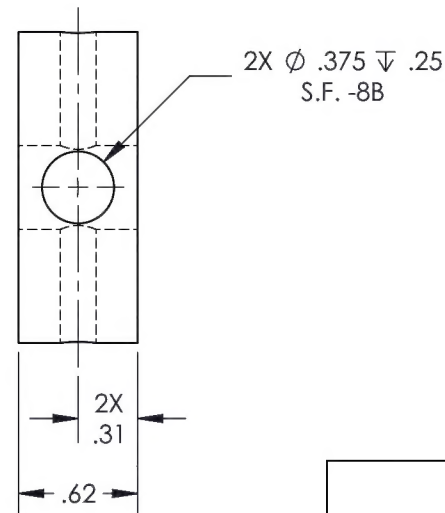
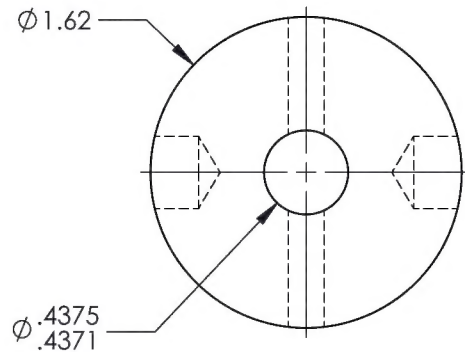
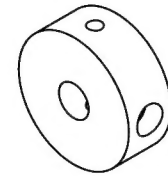
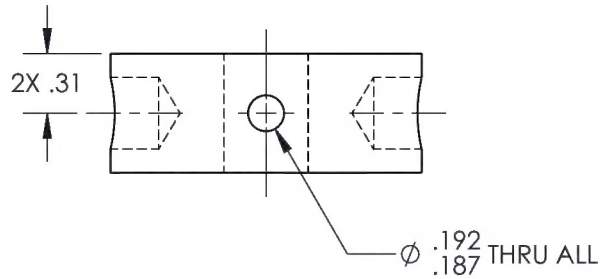


(-8)  
TEE HANDLE WELDMENT

<b>DART</b> AEROSPACE	
TITLE NEW STYLE 2-PIECE FINGER	
DWG NO. RB6889890-8	REV 3
MAT'L UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES .XXX ± .005 FRACTIONS ± 1/8 .XX ± .01 ANGLES ± .5° .X ± .1	DRAWN BY: CLOUGH APPROVED <i>D Weil</i> HEAT TREAT FINISH BLACK OXIDE SPEC
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING	USED ON MODEL ALLISON 250 SEWRIES
SCALE 1:2	DATE 3/13/2015
SHEET 8 OF 10	

This drawing, specifications, and concepts contained here in are the sole property of Dart Aerospace, and may not be reproduced or used in any fashion without the prior written permission of Dart Aerospace Eugene, OR.

REVISIONS				
REV	ECR	DESCRIPTION	DATE	INITIAL
				APPROVED



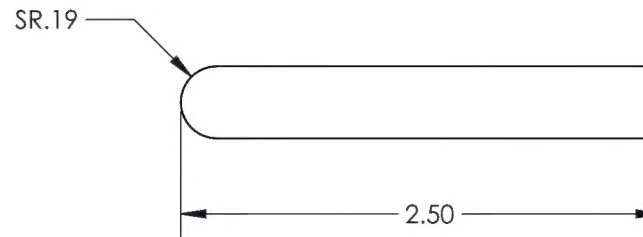
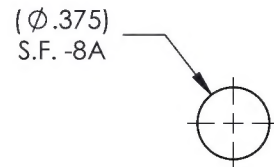
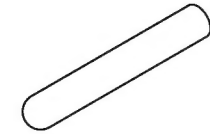
(-8A)

HUB

<b>DART</b> AEROSPACE	
TITLE NEW STYLE 2-PIECE FINGER	
DWG NO. RB6889890-8A	REV 3
MAT'L 1018 / 1020	DRAWN BY: CLOUGH
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	APPROVED <i>D Weil</i>
.XXX $\pm .005$	HEAT TREAT
.XX $\pm .01$	FINISH SEE -8
.X $\pm .1$	SPEC
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R	USED ON MODEL
2. DIMENSIONAL LIMITS APPLY AFTER PLATING	ALLISON 250 SERIES
SCALE 1:1	DATE 3/13/2015
SHEET 9 OF 10	

This drawing, specifications, and concepts contained here in are the sole property of Dart Aerospace, and may not be reproduced or used in any fashion without the prior written permission of Dart Aerospace Eugene, OR.

REVISIONS				
REV	ECR	DESCRIPTION	DATE	INITIAL
				APPROVED



(-8B)

BAR

<b>DART</b> AEROSPACE	
TITLE NEW STYLE 2-PIECE FINGER	
DWG NO. RB6889890-8B	REV 3
MAT'L 1018 / 1020	DRAWN BY: CLOUGH
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	APPROVED <i>D Weil</i>
.XXX $\pm$ .005	HEAT
.XX $\pm$ .01	TREAT
.X $\pm$ .1	FINISH SEE -8
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R	SPEC
2. DIMENSIONAL LIMITS APPLY AFTER PLATING	USED ON MODEL
	ALLISON 250 SERIES
SCALE 1:1	DATE 3/13/2015
	SHEET 10 OF 10